OpenRC System
WebGUI – User Manual

Software Version: 1.2.x

Documentation Revision: 1.5

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1 Main window

The main window is split into five areas:

1.1 Top area

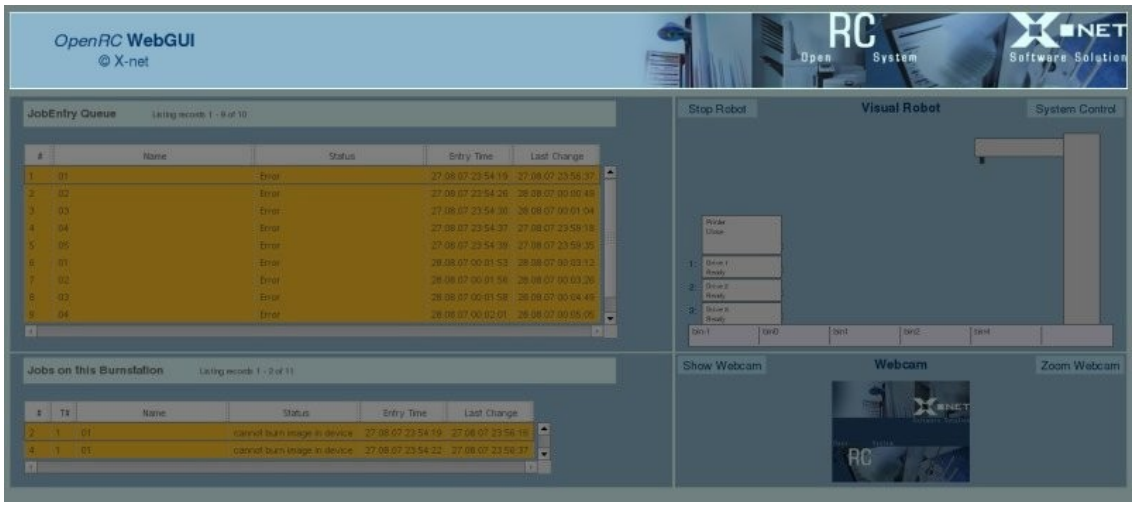

Figure 1: top area

The *Top area* displays the application title and logo. The title can be set in the zope management interface.

1.2 Master area

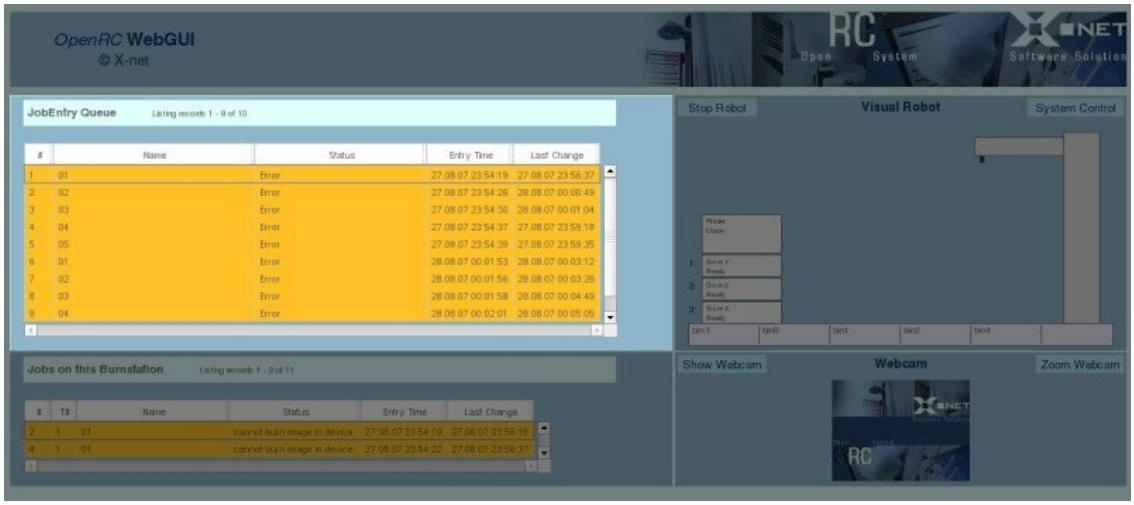

Figure 2: master area

The Master area contains the 2 Master table - if visible - it shows all tickets for the Job-Entry-System.

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1.3 Worker area

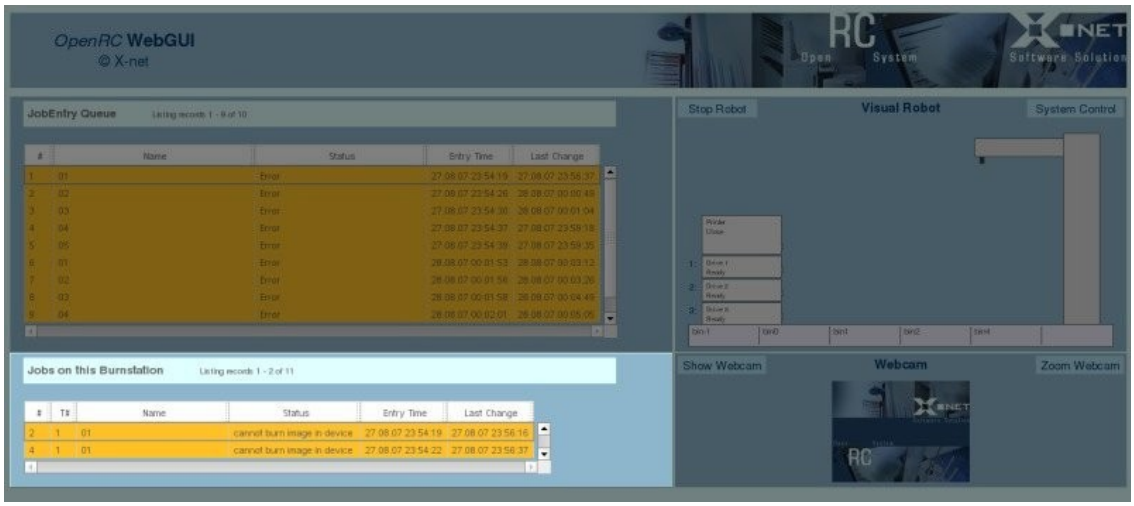

Figure 3: worker area

The Worker area contains the 3 Worker table, it displays the jobs on the (local) burnstation.

1.4 Robot area

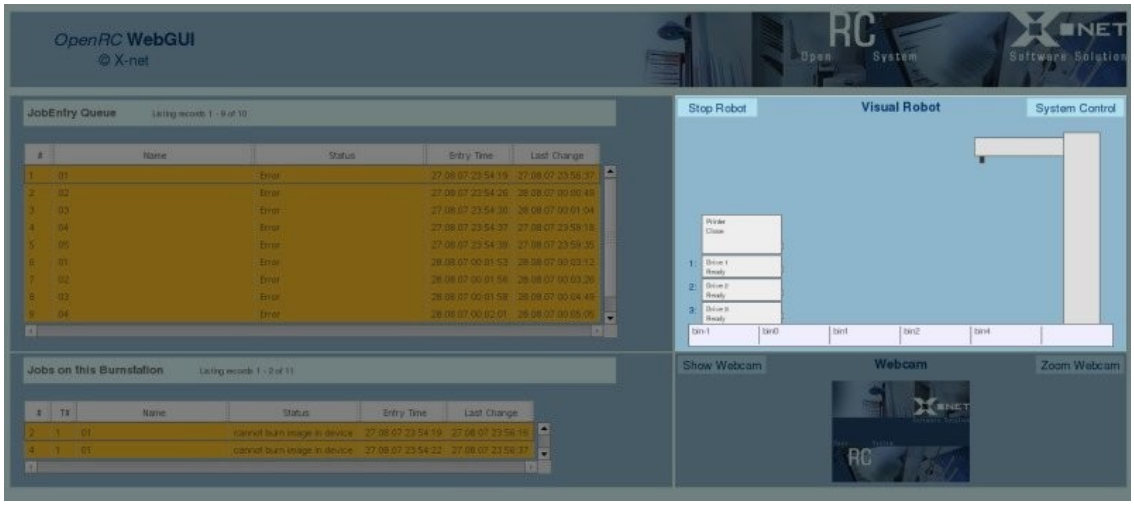

Figure 4: robot area

The *Robot area* contains the 4 Visual robot and the 5 System Control.

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1.5 Webcam area

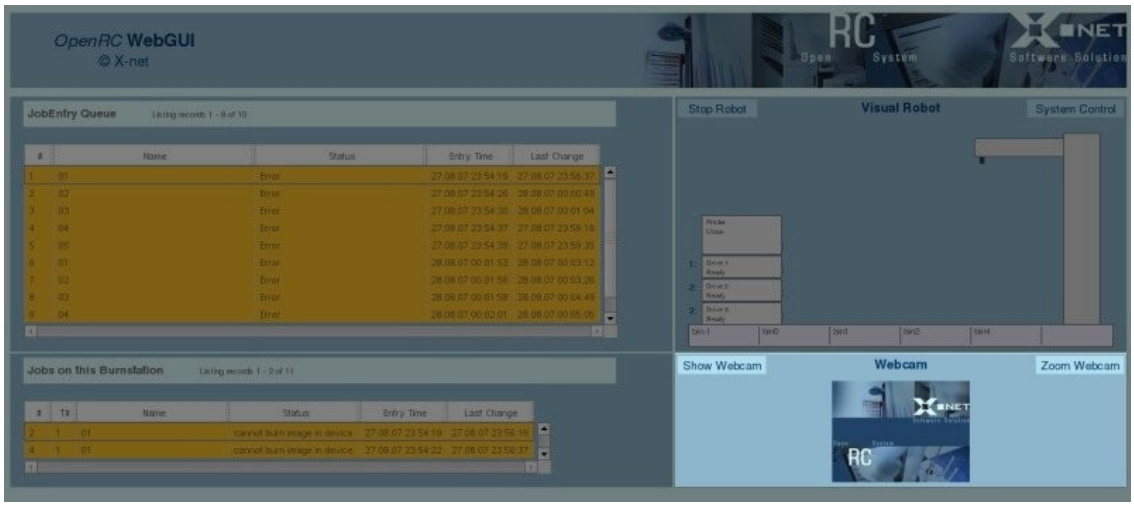

Figure 5: webcam area

The *Webcam area* contains the 6 Webcam.

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2 Master table

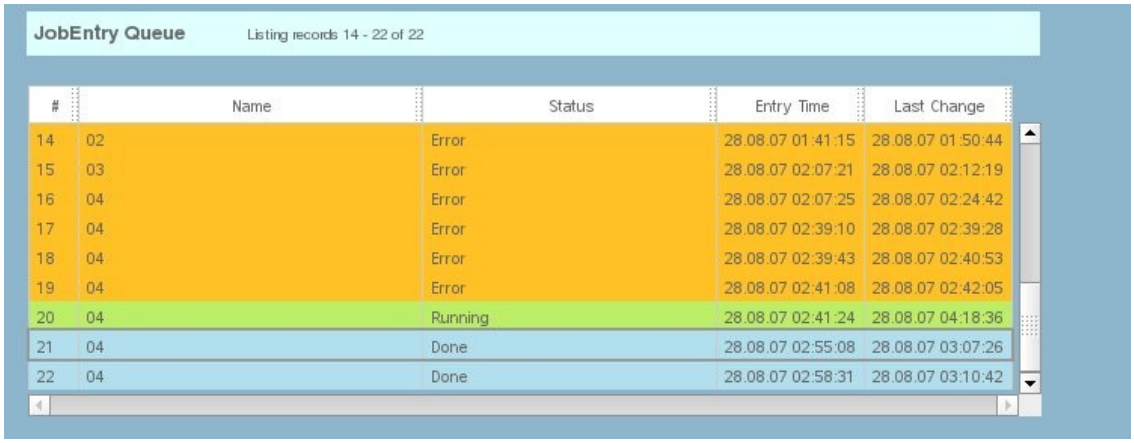

Figure 6: master table

The *Master table* displays all tickets on the Job-Entry-System. The columns can be resized by clicking on the right edge of the header and dragging to the desired size.

2.1 Columns

Name	Description
#	The internal id of the ticket.
Name	The name of the ticket.
Status	The status of the ticket.
Entry time	Timestamp when the ticket was sent to the Job-Entry-System.
Last change	Timestamp of the last status change.

2.2 Menu

The menu can be opened by left-clicking on a line in the table. It is divided into two submenus:

- **Job control** (only visible, if the clicked line contains a ticket)
  - **Start job**
    Starts the selected ticket on the (local) burnstation.
  - **Delete ticket**
    Removes the selected ticket and all its jobs from the system. Works only if all of the tickets jobs are done or erroneous.
  - **Cancel ticket**
    Cancel all running jobs of this ticket on the local burnstation.
  - **Restart ticket**

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Restarts/Continues all jobs of the ticket that are on an error status (error or waiting for user input).

- **Show/Hide**
  Contains various submenus to show or hide table columns.

2.3 Status colors

The background color of a ticket depends on its actual status.

Color	Status
	Prepare, Wait
	Running
	Done
	Error

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3 Worker table

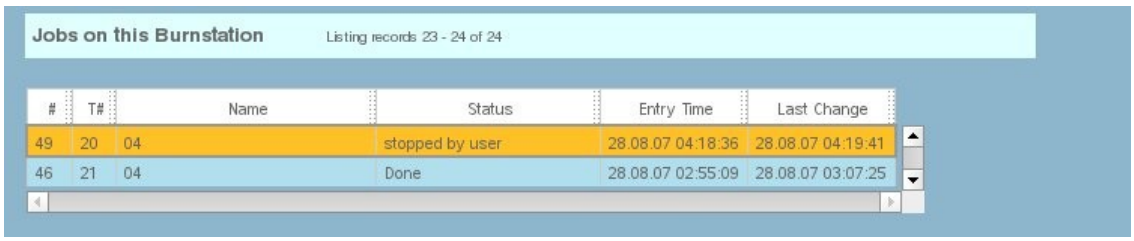
Jobs on this Burnstation
Listing records 23 - 24 of 24
T# Name Status Entry Time Last Change
49 20 04 stopped by user 28.08.07 04:18:36 28.08.07 04:19:41
46 21 04 Done 28.08.07 02:55:09 28.08.07 03:07:25

Figure 7: worker table

The *Worker table* displays all the jobs on the burnstation. The columns can be resized by clicking on the right edge of the header and dragging to the desired size.

3.1 Columns

Name	Description
#	The internal id of the job.
T#	The id of the ticket this job was started from.
Name	The name of the job.
Status	The status of the job.
Entry time	Timestamp when the job was started.
Last change	Timestamp of the last status change.

3.2 Menu

The menu can be opened by left-clicking on a line in the table. It is divided into three submenus:

- **Logging** (only visible, if the clicked line contains a job)
  - **Show log**
    Opens the 5.2 LogView for the selected job.
- **Job control** (only visible, if the clicked line contains a job)
  - **Cancel job**
    Cancels the selected job. If the job-status is already DONE or ERROR, the job will be deleted.
  - **Restart job** (only visible, if the jobstatus is DONE or ERROR)
    Restarts the selected job.
- **Show/Hide**
  Contains various submenus to show or hide table columns.

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3.3 Status colors

The background color of a job depends on its actual status.

Color	Status
	Prepare, Wait
	Running
	Done
	Error

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4 Visual robot

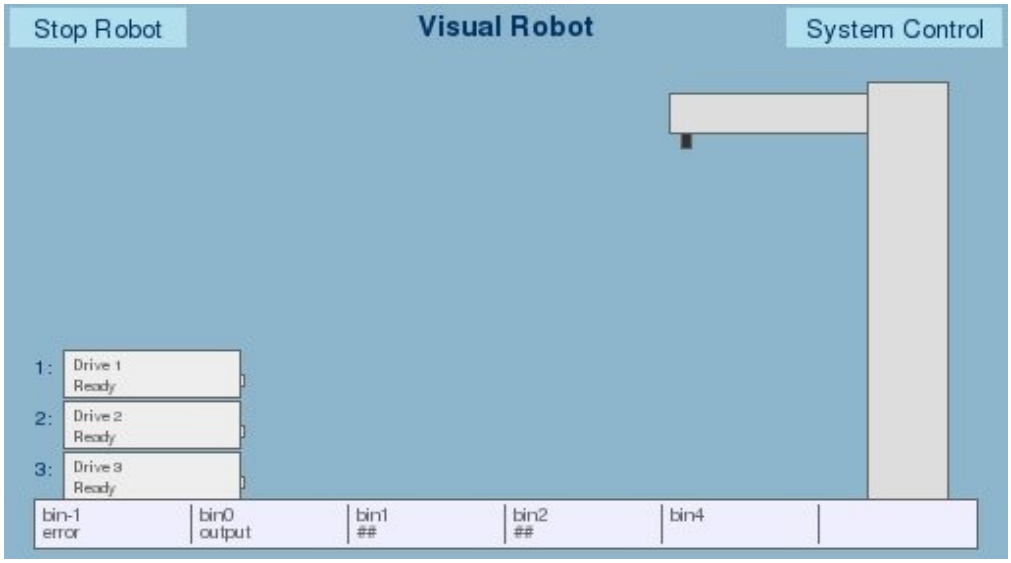

Figure 8: visual robot

The *Visual Robot* is a simulation of the robot and its status. It shows the devices (drives and the printer), the bins and the robot-arm. If the real robot moves, the *Visual Robot* does the same.

4.1 Start/Stop Robot

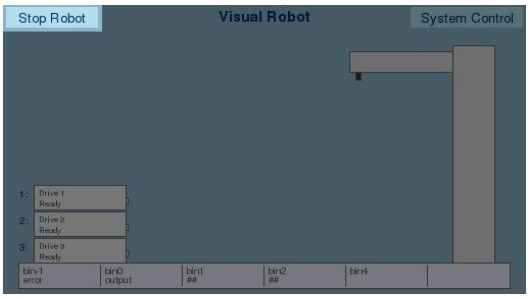

Figure 9: visual robot - stop robot

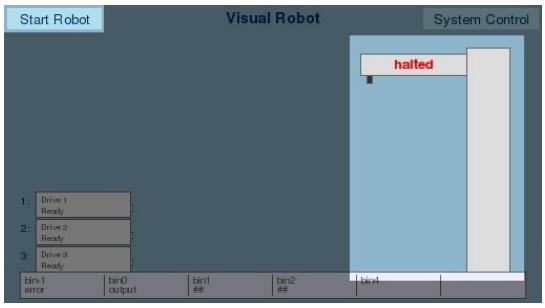

Figure 10: visual robot - start robot

The Start/Stop button is placed at the top left corner of the *Visual Robot*. If the robot is stopped, the word 'halted' flashes inside the robot-arm. Stopping the robot is necessary to refill input bins or to maintain the robot.

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4.2 Bins

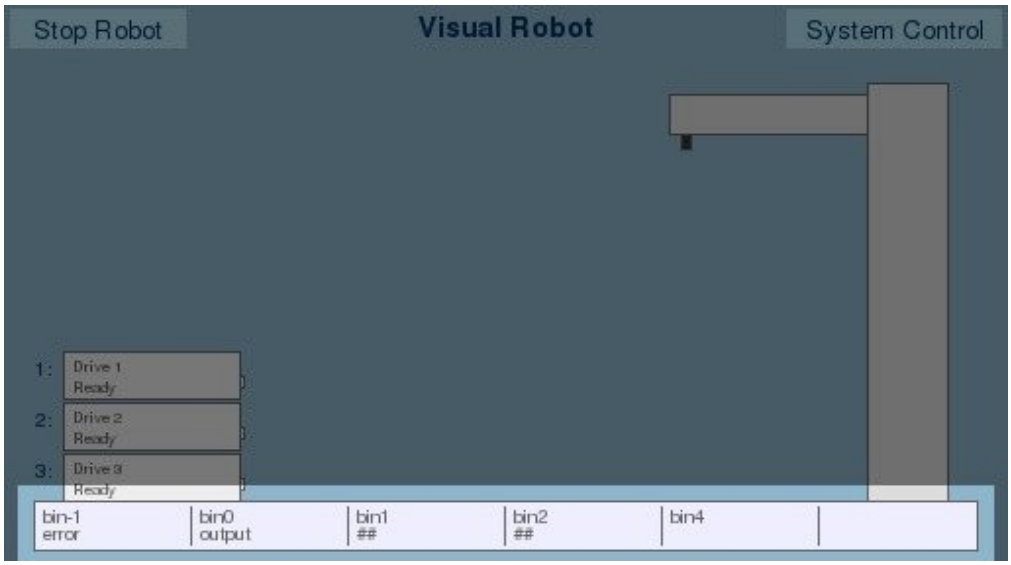

Figure 11: bins

The bins are placed at the bottom of the robot. Each bin consists of its name and its type. If a bin has more than one type, there is a '#' for each type. If the mouse moves over a bin, the types are displayed as tooltip.
The currently available types are:

- Input bins: cd 700, dvd 4.7, dvd 8.5, read, print
- Output bins: output, error

Note that it is not possible so set cd and dvd to the same bin or to mix input and output bins.

On the top right corner of every bin field the fill level in percent is displayed.
This count is initialized at system start and is updated at every move to and from a bin. If you add or remove discs from a bin and want to update the count manually you can do this via the “count” command in the bin menu.
Note: Bin 0 and Bin 4 don't support an exact bin count. Only full (100%) or empty (0%) are applicable.

For the disc count system to work the bins have to be calibrated once. This is usually done by X-Net before delivery.

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Menu

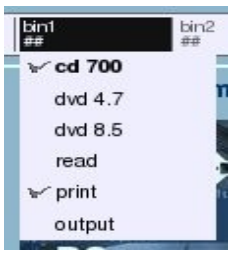

Figure 12: bin menu

By clicking a bin, a menu - the so called *Bin-Control* - appears. The *Bin-Control* shows all possible bin types that may be set for a particular bin. The currently set types are marked with a tick. By clicking any type it can be selected or deselected.
The option “count” at the bottom of the menu reinitializes the disc count of the selected bin, meaning that the robot rechecks the amount of discs in the bin.

4.3 Devices

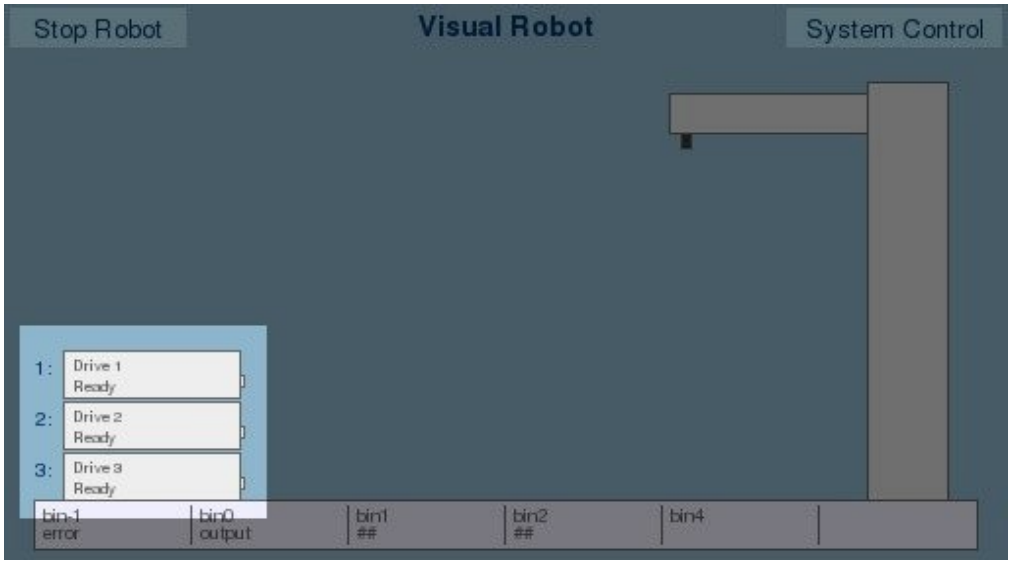

Figure 13: devices

The devices are placed at the left side of the robot. There can be several drives (cd/dvd-writers) and one printer. Each device consists of its name and its status.

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Disc in Drive

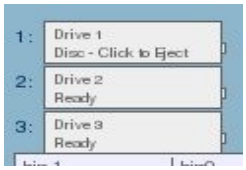

Figure 14: devices - disc in drive

If the status of a device is 'DISC_IN_DRIVE' - caused by an error or a power failure - the device can be clicked to eject the disc from the device. The disc will then be put on an error-bin.

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5 System Control

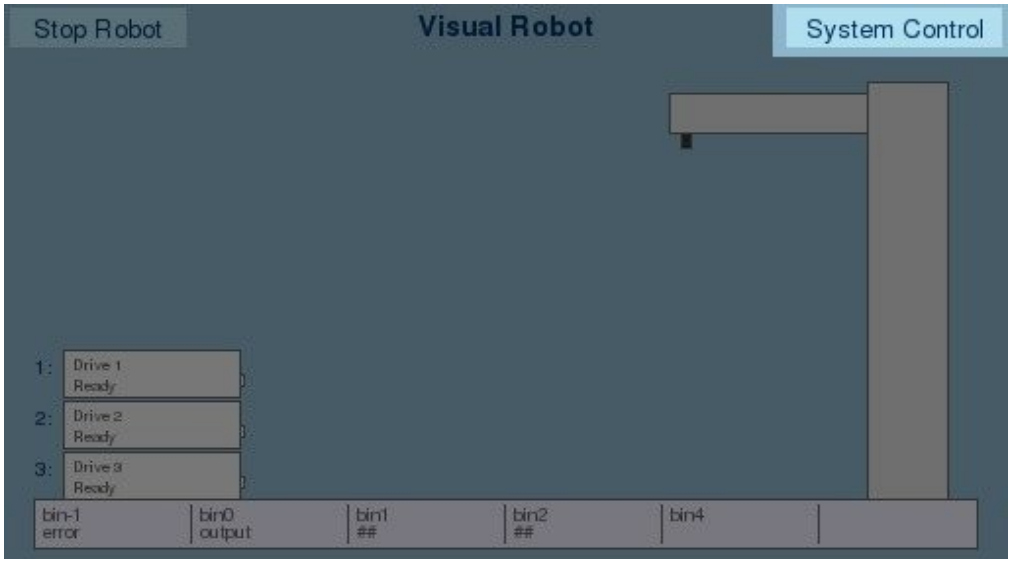

Figure 15: system control - open

To open the *System Control* click the 'System Control' button at the top right corner of the 1.4 Robot area.

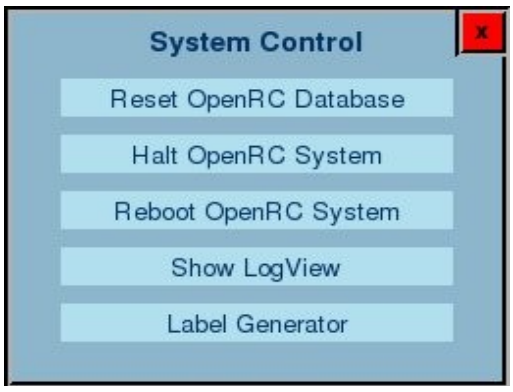

Figure 16: system control - menu

Figure 17: system control - password prompt

The *System Control* consits of three system commands, the 5.2 Show LogView and the 5.3 Label Generator button and the ability of opening a VPN connection for support (see 5.4 XAccess VPN Script).

To execute any system command, the user has to enter a password. If the password was correct, the system command will be executed. Otherwise an error will be displayed.

5.1 System commands

- **Reset OpenRC Database**
  Press the 'Reset OpenRC Database' button, to initialize the database. All previous data will be lost!

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- **Halt OpenRC System**
  Press the 'Halt OpenRC System' button, to stop the machine. The WebGUI won't be available after halting the system.
- **Reboot OpenRC System**
  Press the 'Reboot OpenRC System' button, to restart the machine. The WebGUI won't be available until the reboot is finished. (Maybe a reload is required.)

5.2 Show LogView

If

Figure 19: log view - job id prompt

the *LogView* is opened via the *System Control*, the user has to choose a JobId. The log will be displayed for this and a few related jobs. If the *LogView* is opened via the [3.2]

Figure 18: log view

[Worker table menu](), the JobID of the given line is selected automatically.

The log is displayed as a table. Each column shows a particular job and the row headers show the times the events occured. The lines which contain errors have an orange background. The *LogView* can be closed by clicking the red cross at the top right corner.

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5.3 Label Generator

For further information about the Label Generator, see the Label Generator online help. The “Label Generator” button won't be displayed if you don't have the appropriate permission.

5.4 XAccess VPN Script

If installed this script is used to open an OpenVPN tunnel to X-Net for support purposes. Depending on connection status the button text is either “Open VPN” or “Close VPN”.

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6 Webcam

Figure 20: webcam - hidden

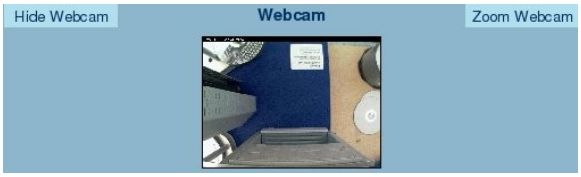

Figure 21: webcam - showing

By default the webcam is hidden. To activate it click the 'Show Webcam' button at the top left corner of the webcam area. To hide the webcam push the button again.

6.1 Zoom webcam

Figure 22: webcam - zoomed

To zoom the webcam click the 'Zoom Webcam' button at the top right corner of the webcam area. The webcam will be extended. The webcam can be closed by clicking the red cross at the top right corner.

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6.2 New window

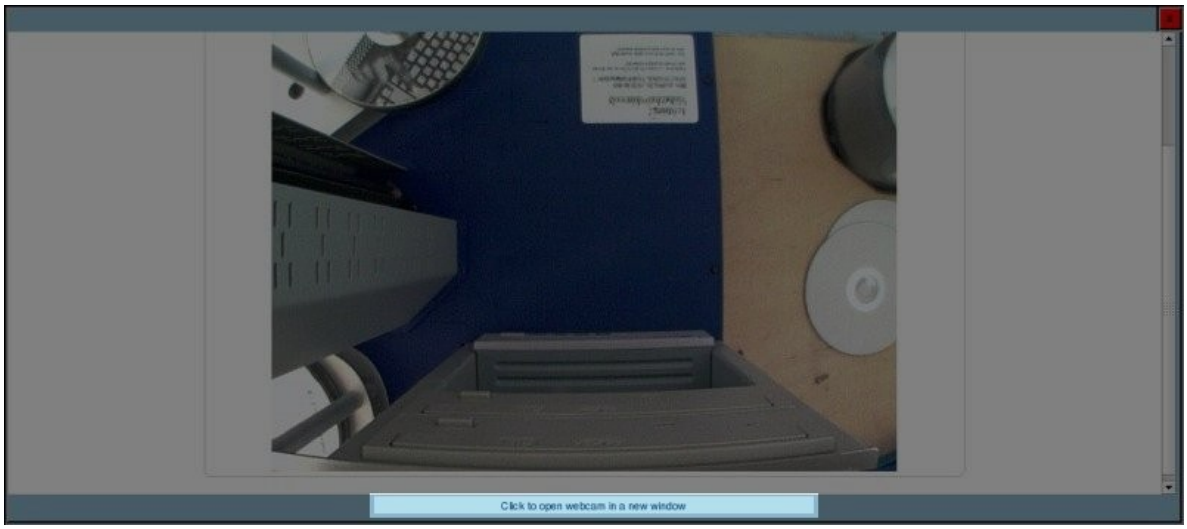

Figure 23: webcam - open in new window

To open the webinterface of the webcam in a new window, push the 'Click to open webcam in a new window' button.

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